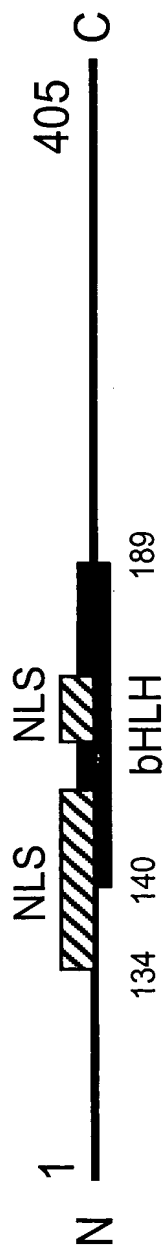


FIG. 1



NLS = nuclear localization signals, residues 134-150, 163-169.
 bHLH = basic helix-loop-helix domain, residues 140-189.

15

FIG. 2

[illegible]

1685					1694			1703			1712			1721			1730		
ACA	AAT	CAG	AAC	ATT	TCA	ATT	CAT	TTA	CCT	TCA	GCC	ATG	CCC	CCG	GTC	TCA	AGC		
T	N	Q	N	I	S	I	H	L	P	S	A	M	P	P	V	S	S		
1739					1748			1757			1766			1775			1784		
TTC	TCC	CTC	GGC	ACT	GCA	CTT	CTG	GGT	TGG	GCC	AGA	CGT	GCA	CTA	CAC	ATC	CCA		
F	S	L	G	T	A	L	L	G	W	A	R	R	A	L	H	I	P		
1793					1802			1811			1820			1829			1838		
ACT	GTC	TGC	AAC	AGT	TTT	GGG	CGT	ATT	AAA	AGC	ACA	TGT	TTG	AAA	TTC	ACA	CTC		
T	V	C	N	S	F	G	R	I	K	S	T	C	L	K	F	T	L		
1847					1856			1865			1874			1883			1892		
TCA	ACC	ACC	TAC	TGG	GCG	CAG	TTT	GAC	AAT	CTA	GGA	AAA	GTG	GAA	CAA	AGA	ATG		
S	T	T	Y	W	A	Q	F	D	N	L	G	K	V	E	Q	R	M		
1901					1910			1919			1928			1937			1946		
ATT	TTG	AAA	GCT	CCA	CCC	AAA	GAC	CTA	ATA	TCA	AAA	GAG	TTG	GCA	TGG	TTT	GGC		
I	L	K	A	P	P	K	D	L	I	S	K	E	L	A	W	F	G		
1955					1964			1973			1982			1991			2000		
TTC	TGA	TAA	ATG	CAC	TCA	AAG	CTT	CTG	CAG	ATA	GAA	AGA	CCA	GCA	GCG	AAA	AAG		
F	*	*																	
2009					2018			2027			2036			2045			2054		
CTG	GCC	ACA	CAC	TGT	CAC	TCA	TCT	TCA	TAC	ACA	CTT	GGA	TCC	CCG	CCA	GCC	AGA		
2063					2072			2081			2090			2099			2108		
GAG	CTA	CAA	GAA	CAA	ATG	GCC	TCA	GTG	ACC	TAC	ACT	CTC	TTT	TCT	CAA	AAA	ATA		
2117					2126														
TTC	CAC	AAT	TTA	TGA	AAA	AAA	A	3'											

[illegible]

22P4G9: 5 HSSKEKLRRERIKYCCEQLRTLTP 28
H+ EK RR ++ C E+L+TL+P
Mxi: 81 HNELEKNRRAHLRLCLERLKTLP 104

FIG. 4

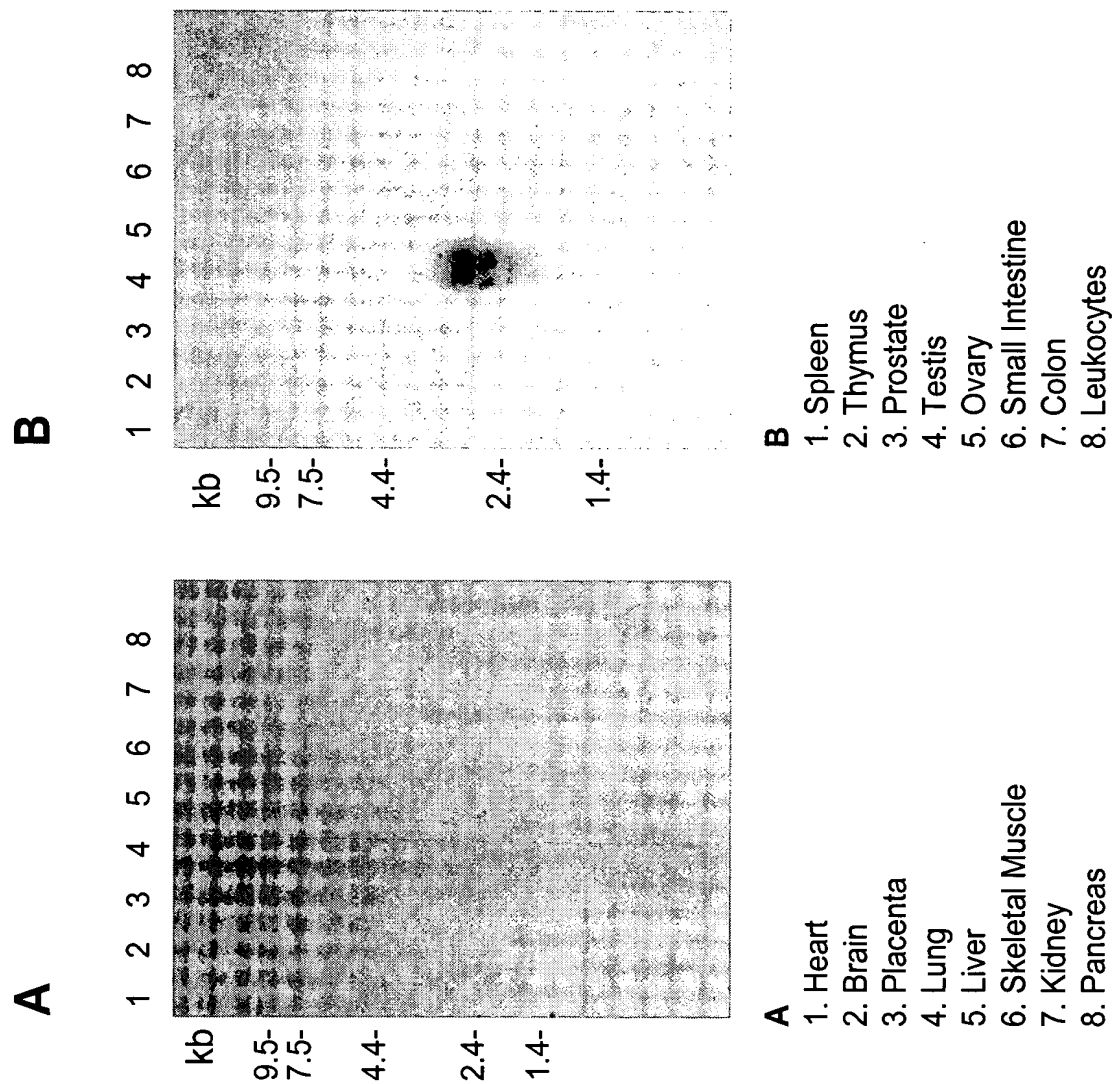
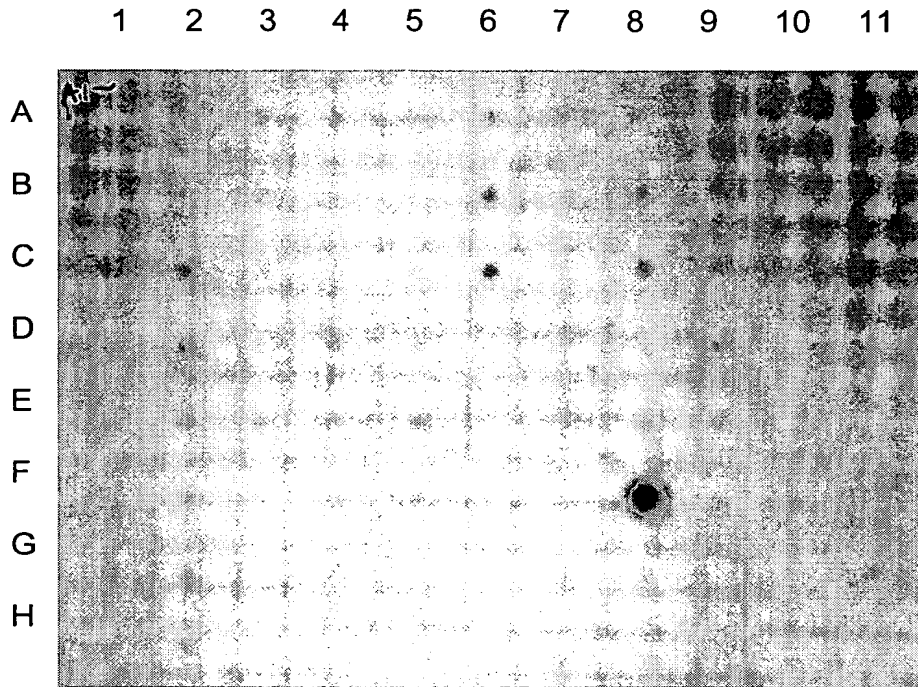


FIG. 5



A1 whole brain
A2 cerebellum, left
A3 substantia nigra
A4 heart
A5 esophagus
A6 colon, transverse
A7 kidney
A8 lung
A9 liver
A10 HL60, leukemia
A11 fetal brain

B1 cerebral cortex
B2 cerebellum, right
B3 accumbens nucleus
B4 aorta
B5 stomach
B6 colon, descending
B7 skeletal muscle
B8 placenta
B9 pancreas
B10 HeLa, S3
B11 fetal heart

C1 frontal lobe
C2 corpus callosum
C3 thalamus
C4 atrium, left
C5 duodenum
C6 rectum
C7 spleen
C8 bladder
C9 adrenal gland
C10 K562, leukemia
C11 fetal kidney

D1 parietal lobe
D2 amygdala
D3 pituitary gland
D4 atrium, right
D5 jejunum
D6 -
D7 thymus
D8 uterus
D9 thyroid gland
D10 MOLT-4, leukemia
D11 fetal liver

E1 occipital lobe
E2 caudate nucleus
E3 spinal cord
E4 ventricle, left
E5 ileum
E6 -
E7 leukocytes
E8 prostate
E9 salivary gland
E10 RAJI, lymphoma
E11 fetal spleen

F1 temporal lobe
F2 hippocampus
F3 -
F4 ventricle, right
F5 ileoceum
F6 -
F7 lymph node
F8 testis
F9 mammary gland
F10 DAUDI, lymphoma
F11 fetal thymus

G1 paracentral gyrus
G2 medulla oblongata
G3 -
G4 interventricular septum
G5 appendix
G6 -
G7 bone marrow
G8 ovary
G9 -
G10 SW480, colon cancer
G11 fetal lung

H1 pons
H2 putamen
H3 -
H4 apex of the heart
H5 colon, ascending
H6 -
H7 trachea
H8 -
H9 -
H10 A549, lung cancer
H11 -

FIG. 6

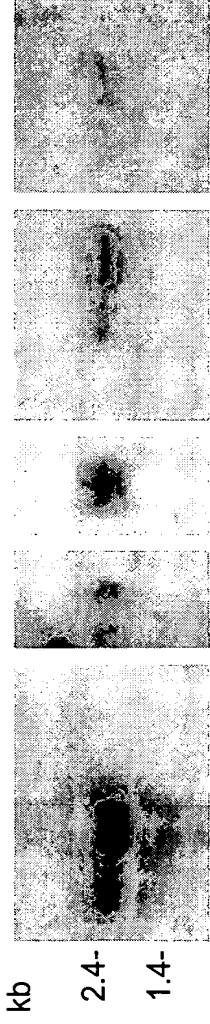
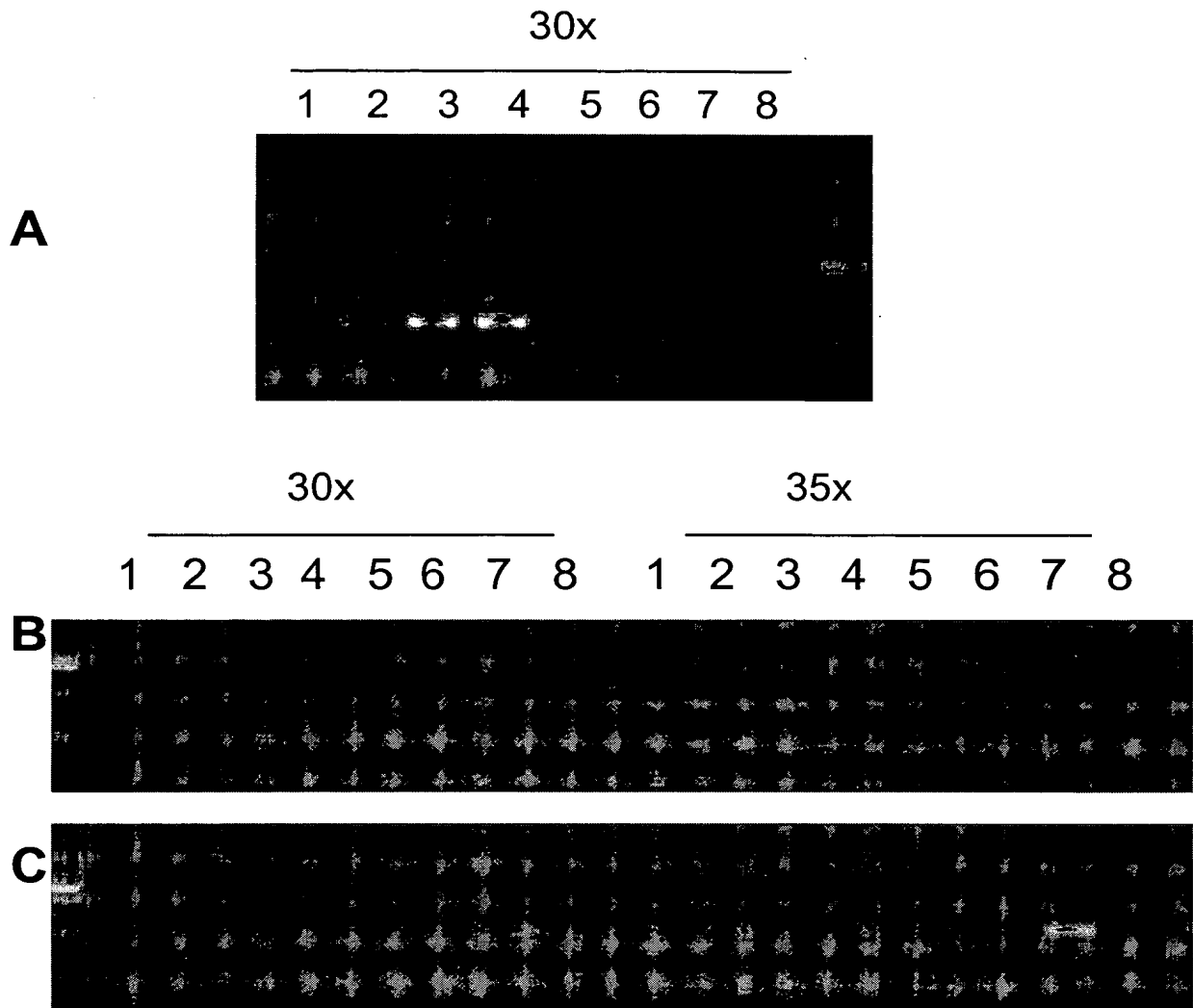


FIG. 7



Panels:

A

1. Brain
2. Prostate
3. LAPC-4 AD
4. LAPC-4 AI
5. LAPC-9 AD
6. HeLa
7. Murine cDNA
8. Neg. control

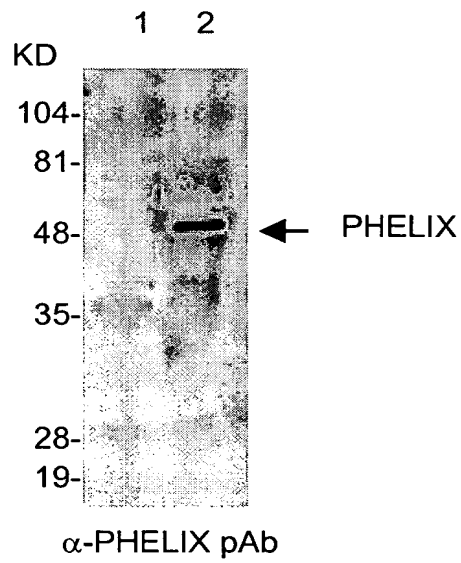
B

1. Brain
2. Heart
3. Kidney
4. Liver
5. Lung
6. Pancreas
7. Placenta
8. Skeletal Muscle

C

1. Colon
2. Ovary
3. Leukocytes
4. Prostate
5. Small Intestine
6. Spleen
7. Testis
8. Thymus

FIG. 8



Lanes:

1. 293T cells transfected with pcDNA3.1
2. 293T cells transfected with PHELIX-mycHis

FIG. 9

